Clemson IPM Program Newsletter

November 2021 Issue #6

Integrated pest management is an ecologically-based approach to managing pests with an emphasis on using multiple management strategies. The principles of IPM can be applied to any pest of food or fiber production systems, landscapes, and urban environments. IPM considers multiple control tactics with the aim of minimizing selection pressure on one given tactic.

The Clemson IPM program (https://www.clemson.edu/extension/ipm/index.html) seeks to increase adoption of IPM practices in South Carolina by developing interdisciplinary, research based information, and providing it to the public in efficient and accessible formats. The goals of the IPM program are driven by the needs of stakeholders, who have an integral part in developing the priorities of the current program.

The Clemson IPM Newsletter will provide updates on research, extension programs, successes in IPM, important dates, and more!

@IPM_Clemson

Follow the Clemson IPM program on Twitter for real time updates throughout the growing season

Meet the Team

The IPM program at Clemson is comprised of the coordination team, extension personnel, and researchers throughout the state.

Pee Dee REC
Francis Reay-Jones, *Field Crop Entomology*
JC Chong, *Specialty Crop Entomology*
Joe Roberts, *Turfgrass Pathology*
Ben Powell, *Pollinator Specialist*

Coastal REC
Tony Keinath, *Vegetable Pathology*
Matt Cutulle, *Vegetable Weeds*
Brian Ward, *Organic Vegetable*

Edisto REC
Jeremy Greene, *Field Crop Entomology*
Mike Marshall, *Field Crop Weeds*
Dan Anco, *Peanut Specialist*
John Mueller, *Field Crop Pathology*

Clemson Main Campus
Guido Schnabel, *Fruit Crop Pathology*
Juan Carlos Melgar, *Pomology*
Steve Jeffers, *Ornamental Crop and Tree Pathology*

UGA, Athens
Brett Blaauw, *Peach Entomologist*

Coordination Team
Francis Reay-Jones, *Program Coordinator*
Tim Bryant, *Associate Program Coordinator and Newsletter Editor*

Tell us what you think...

Please take a few minutes to fill out this survey to tell us what you would like to see in future editions of this newsletter!

Partial support for the Clemson IPM Program is provided by funding from the USDA NIFA Crop Protection and Pest Management Extension Implementation Program.

Clemson Weed Scientists Host Training Program for Extension Agents

Contributing Author: **Dr. Mike Marshall**

Left: Clemson extension agents and weed scientists working on identifying different weed species in the field. Right: Research pliots established to identify symptoms of herbicide injury and weed species

On September 28 and 29, Clemson extension agents participated in a weed science training program at the Sandhills Research and Education Center.

This training program, provided by several Clemson faculty members with expertise in weed identification and management including Dr. Mike Marshall, Dr. Matt Cutulle, Dr. Ted Whitwell, and Dr. Cory Heaton, provided overviews on several important aspects of effective weed management, in addition to Extension agents recieving training on weed identification.

Dr. Mike Marshall discussed different herbicide modes of action and diagnosing herbicide injury symptoms in cultivated crops. This overview covered approximately 20 different herbicide modes of actions and 10 different crops displaying herbicide injury. Effectively identifying herbicide injury in different crops may prevent unnecessary management costs that result from misidentifying herbicide injury as other pest pressure or nutrient deficiencies.

Dr. Matt Cutulle provided training on sprayer calibration, spraying techniques, different spray tips, and drift reduction. Calibrating sprayers to apply the appropriate amount of herbicide provides more effective weed control and can prevent unnecessary management costs.

The rest of the training focused on hands on identification of 50 different weeds associated with row crops, turf, vegetable crops, and aquatic sites. Proper weed identification is a critical component of an integrated management plan, particularly when dealing with herbicide resistant weed species. This training will allow county agents to work with growers on identifying their target weed species in the field and develop an effective and efficient management strategy.

2022 Integrated Pest Management Open Forum

Wednesday Janaury 19, 2022
9:00-11:00 am

Register

The annual IPM open forum will be held in January 2022. This meeting is intended for anyone involved in South Carolina specialty and row crop production. Input from this meeting will help shape the continued programming provided by the Clemson IPM program, which is focused on Extension efforts to improve management of pests of row crops (cotton, corn, peanut, soybean, and sorghum) and specialty crops (vegetables, peach and small fruits, landscape and nursery plants).

In 2021 we had 49 participants, including Clemson research faculty and administrators, county extension agents, and producers throughout South Carolina. An update was provided from each of the 14 faculty members involved in the IPM program about their extension work supported by the program, and a discussion was held to shape future programs. This meeting allowed direct interaction with beneficiaries of the IPM program in South Carolina.

Please consider joining us for the virtual IPM forum on Wednesday January 19, 2022 from 9 to 11 am to help shape the future of the IPM program.

Brief Survey of Corn Producers on Insect Pests and their Management

In an effort to improve our knowledge about pest management and integrated pest management (IPM) implementation, the IPM program is conducting a brief survey of corn producers (and other agricultural professionals) in North and South Carolina.

The goal of this survey is to identify the most common pests corn producers face, how producers make management decisions for those pests, and assess producer knowledge and implementation of IPM. Results from this survey will help shape future research and extension programming catered to the need of our stakeholders.

Responses are completely anonymous, time to complete this survey is less than 5 minutes, and it can be completed at any time through the following link or by scanning the QR code.